

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-244876
(43)Date of publication of application : 19.09.1995

(51)Int.CI.

G11B 11/10
G11B 11/10

(21)Application number : 06-031073
(22)Date of filing : 01.03.1994

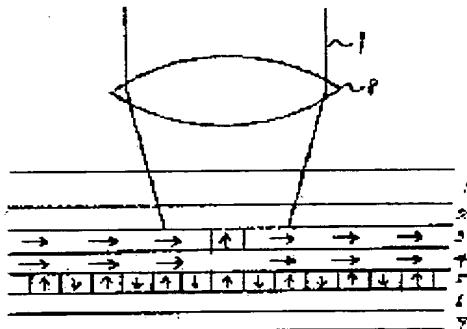
(71)Applicant : SHARP CORP
(72)Inventor : HIROKANE JUNJI
KATAYAMA HIROYUKI
TAKAHASHI AKIRA
OTA KENJI

(54) MAGNETO-OPTIC RECORDING MEDIUM AND MAGNETO-OPTICALLY RECORDING/REPRODUCING METHOD

(57)Abstract:

PURPOSE: To make a recording medium highly dense and improve recording characteristics of the recording medium, by providing an intermediate layer between a read layer and a recording layer and changing a state of the read layer steeply.

CONSTITUTION: The magneto-optic recording medium is formed of a substrate 1, a transparent dielectric layer 2, a read layer 3, an intermediate layer 4, a recording layer 5, a protecting layer 6 and an overcoat layer 7 layered in this order. The read layer 3 is magnetized within a plane at room temperatures and turned to be vertically magnetized in accordance with the temperature rise. The recording layer 5 is vertically magnetized at room temperatures. The intermediate layer 4 has horizontal magnetization components, controlling an exchanging/coupling state of the read layer 3 and recording layer 5. The intermediate layer 4 is so composed as to change a state of the read layer steeply. Accordingly, the recording medium becomes highly dense with recording characteristics improved.



LEGAL STATUS

[Date of request for examination] 29.02.2000

[Date of sending the examiner's decision of rejection] 24.02.2004

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]